VGN-AW190NAB

VAIO® AW Series Notebook

Industry-first 18.4"[6] HD multimedia powerhouse.

POWERFUL PERFORMANCE

Intel® Core™ 2 Duo P8400 processor (2.26GHz[1]) with Intel® Centrino® 2 processor technology.

The VAIO® AW notebook comes pre-installed with Genuine Microsoft® Windows Vista® Business with SP1.

Tackle virtually any graphics requirement with a NVIDIA® GeForce® 9600M GT graphics card and 512MB of dedicated video RAM.

Store you digital photos, videos and important documents on the roomy 320GB[2] Serial ATA hard disk drive.

BORN FROM SONY® HD TECHNOLOGY.

An 18.4"[6] extra-widescreen display and stunning XBRITE-FullHD™ LCD technology delivers dazzling colors and stunning picture clarity in full 1080p high definition.

A Blu-ray Disc™ optical drive lets you playback[4] HD Blu-ray Disc™ movies in crystal-clear resolution.

Immersing you in sound and bringing your HD Blu-ray Disc™ movies to life, the AW Series notebook includes Dolby Home Theater suround sound technology.

An HDMI® output provides single-cable full 1080HD connectivity (audio and video) to a compatible HDTV (cable sold separately)[16].

ENDLESS FEATURES

A built-in CompactFlash® media slot lets you quickly and easily transfer files between your digital camera.

Preventing surprises at print, the Adobe® RGB color compatible display ensures the most color accurate reproduction of images captured by your digital camera.

The VAIO® AW notebook is an HD multimedia powerhouse boasting an industry-first 18.4" extra-widescreen display[6] with XBRITE-FullHD™ LCD technology. Designed to maximize LCD space while minimizing chassis size, this user-friendly notebook packs a powerful punch with Blu-ray Disc™ technology[4], external NVIDIA® graphics and next-gen Intel® Centrino® 2 processor technology.

intel Centrino 2 inside Performance to go

Windows Vista Business

XBRITE-FullHD™

NVIDIA GeForce

HDMI

Blu-ray Disc™

Bluetooth

WiFi CERTIFIED

HDNA

dlna CERTIFIED

SONY
make.believe

VGN-AW190NAB

VAIO® AW Series Notebook

Specifications

General

Computer Type: Notebook
Type of Use: Desktop Replacement
Action Buttons: S1, S2, Volume - / +, Mute, Play / Pause, Stop, Eject, WLAN / Bluetooth® on / off, A/V Mode
Pointing Device: Electro-Static touch pad
Security: Biometric Fingerprint Sensor

Hardware

Keyboard: QWERTY, 103 keys, 19.05 mm pitch, 2 mm stroke
Camera: Built-in 1.3 MP MOTION EYE® camera and microphone with face-tracking technology

Processor

Type: Intel® Core™ 2 Duo processor P8400
Speed: 2.26GHz[1]
Front Side Bus Speed: 1066MHz
L2 Cache: 3MB
Technology: Intel® Centrino® 2 processor technology

Memory

Installed: 8GB PC2-6400 (4GBx2)
Maximum: 8GB
Type/Speed: DDR2/800MHz

Hard Drive

Capacity: 320GB[2]
Speed: 7200rpm
Type: Serial ATA

Optical Drive

CD Read: 24x max.
CD-R Write: 24x max.
CD-RW Write: 24x max.
DVD Read: 8x max.
DVD+R DL Write: 6x max.
DVD+R Write: 8x max.
DVD+RW Write: 6x max.
DVD-R DL Write: 6x max.
DVD-R Write: 8x max.
DVD-RAM Read: 5x max.
DVD-RAM Write: 5x max.
DVD-RW Write: 6x max.
BD-R DL Read: 5x max.
BD-R Read: 5x max.
BD-RE DL Read: 5x max.
BD-RE Read: 5x max.
BD-ROM Read: 5x max.
Blu-ray Disc™ Support: Yes[4] (read only) (BD-ROM/DVD±RW/±R DL/RAM Drive)

Expansion Slots

Multimedia Card Reader: Compact Flash media slot
One Memory Stick PRO™ (Standard / Duo) media slot with MagicGate® functionality
One ExpressCard® /34 slot
One Secure Digital (SD™ memory card) media slot

Audio

Sound System: Intel® High Definition Audio with Dolby Digital Live
Speakers (Total): Built-in stereo speakers + 2W subwoofer

Display

Screen Size: 18.4"[6]
Resolution: 1920 x 1080
Technology: Adobe RGB Color Correction
Back Light Technology: LED
XBRITE-FullHD™ Technology: Yes

Graphics

Processor: NVIDIA® GeForce® 9600M GT GPU with Total Available Graphics Memory of 1770MB (max.)[10]
Video RAM: 512MB dedicated video RAM
Chipset: Mobile Intel® PM45 Express Chipset
Interface: HDMI™ [16] and VGA out with Smart Display Sensor

Inputs and Outputs

HDMI™ Connection Output(s): 1
Modem Jack: 1
Microphone Input: 1
RF Connection Input(s): 1
USB Port(s): 3 (2.0 compliant)
VGA Output(s): 1
DC-In: 1
i.LINK® Connection: 1 (4pin) i.LINK® connector (IEEE 1394)[9]
Headphone Output(s): 1
S/PDIF Output(s): 1
Ethernet Connection (s): 1

Power

Battery Type: Standard Capacity Lithium-ion Battery (VGP-BPS13A/B)
Estimated Battery Life: 1.0 to 2.5 hours[14] Standard Capacity Battery
1.5 to 3.5 hours[14] Large Capacity Battery
Power Requirements: 150W + 10%
Input Voltage: 100-240V

Wireless/Networking

Ethernet Protocol: 10Base-T/100Base-TX/1000Base-T
Ethernet Speed: Fast Ethernet (RJ-45)
Wi-Fi: Intel® WiFi Link 5100AGN (802.11a/b/g/n)[3]
Bluetooth® Technology: Integrated Stereo A2DP Bluetooth® Technology [15]
Modem Type: Integrated V.92/V.90 Modem (RJ-11)

Software

Operating System: Genuine Microsoft® Windows Vista® Business 32bit with SP1
Internet Services: AOL® 90-Day Risk Free Trial - For new users only
Supplied Software: Microsoft® Works SE 9.0 w/ 60-Day Trial Version of Microsoft® Office Small Business 2007[13]
The VAIO® Software Experience: VAIO® Startup Assistant
Click to Disc Editor - Import, Edit, Burn
VAIO® Movie Story - Simple Movie Creation
VAIO® MusicBox - Music by Mood
VAIO® Media plus - Multimedia Streaming Software
*Please access VAIO® Help and Support from your PC for a complete list of software applications and trials.
Anti-Virus Software: Microsoft® Windows Live™ OneCare™ Trial Version[17]

Service and Warranty Information

Telephone Support: 1 year toll-free technical telephone assistance, available 24/7[12].
Online and Email Support: Support available from http://www.esupport.sony.com/EN/VAIO
Limited Warranty Term: 1 year limited warranty[11]. See actual warranty for details.

Environmental Information

RoHS®: Compliant
For more information: www.sony.com/vaioeco

Dimensions

Weight: 8.8 lbs[7] (with standard capacity battery)
Measurements: 17.2"(W) x 1.45 - 1.56"(H) x 11.4"(D)[7,8]

Supplied Accessories

Power Cord
Standard Capacity Lithium-ion Battery (VGP-BPS13A/B)
AC Adapter (VGP-AC19V15)

Color: Premium Piano Black
UPC Code: 27242750531

1. GHz denotes microprocessor internal clock speed; other factors may affect application performance. CPU speed will be reduced under certain operating conditions.
2. GB means one billion bytes when referring to hard drive capacity. Accessible capacity may vary. A portion of hard disk space is reserved as a recovery partition.
3. Requires 802.11n compatible access point. Some functionality may require Internet services.
4. Certain circumstances may limit/prevent Blu-ray Disc™ media playback. For optimal performance, download all updates from http://esupport.sony.com/EN/DRIVERS.
5. Video recording to Blu-ray Disc™ media is done in MPEG2 and AVC formats only.
6. Viewable area measured diagonally.
7. Non-metric weights and measures are approximate and may vary.
8. Measured at the narrowest point
9. i.LINK is a trademark of Sony used only to designate that a product contains an IEEE 1394 connector. All products with an i.LINK connector may not communicate with each other.
10. Total Available Graphics Memory refers to the new Windows Vista classification of graphics memory, which varies depending on the operating condition, version of device driver and system memory size.
11. See actual limited warranty for details. For a copy of Sony's warranty, please visit www.esupport.sony.com, call toll-free 888-476-6972 (888-4SONYPC), or write to Sony Electronics, 12451 Gateway Boulevard, Fort Myers, FL 33913.
12. For certain third party software applications, Sony provides first level phone support. Additional telephone support may be available from the applicable 3rd party vendor. Availability and schedule for any such support is determined by the applicable software vendor.
13. 60-Day Trial Version of Microsoft® Office 2007 - This trial software will work only for 60 days after you first use it. You will not be able to use the software if you do not activate it as described the first time you use the software. You can activate the software by Internet: Internet service charges may apply. If you want to keep using the software after the 60-day trial period, you must convert to the perpetual version. You can convert online by following the conversion instructions presented during setup and paying the required fees.
14. Actual battery life may vary based on product settings, usage patterns and environmental conditions. Battery life will be shorter with models equipped with Instant Mode features.
15. Interoperability and compatibility among Bluetooth® devices varies.
16. Requires high definition-capable display with HDMI™ connector. Image quality will vary.
17. Microsoft® Windows Live™ OneCare™ Trial Version – This trial software will work for ninety (90) days after you first use it. You will not be able to use the software if you do not activate it as described the first time you use the software. You can activate the software by Internet: Internet service charges may apply. If you want to keep using the software after the 90-day trial period, you must buy a subscription. You can subscribe online by following the conversion instructions presented during setup and paying the required fees.

Computer Interface: For this product,there are a multitude of varying software packages and add-on hardware options. This product is not manufactured to work with any specific software, and Sony does not and cannot make any warranty or representation with respect to the performance of this product with any particular software packages and/or non-Sony add-on hardware options except those mentioned here. Sony hereby disclaims any representations or warranties that this product is compatible with any combination of non-Sony products you may choose to connect to it. While Sony representatives or Sony authorized dealers may be able to assist you and may make recommendations, they are NOT authorized to vary or waive this disclaimer. Purchasers must determine for themselves the suitability and compatibility of the hardware and software in each and every particular instance. Software titles pre-installed on the Sony computer are subject to change without notice. Preinstalled software may not be identical to retail versions or have all documentation. Features and specifications are subject to change without notice.
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